

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-4. (Canceled)

5. (Previously Presented) A semiconductor memory, comprising:

a memory cell array constituted by memory cells, each memory cell having a floating electrode, the memory cells being arranged in a matrix on a semiconductor substrate;

a plurality of first trenches formed in said semiconductor substrate, each first trench being formed between adjacent ones of said memory cells along a gate width direction;

a plurality of isolating fillers filled in said first trenches;

a plurality of second trenches formed in said isolating fillers, each second trench being formed between said floating electrodes of adjacent ones of said memory cells along the gate width direction, and said second trenches being in the shape of a U, wherein a width of the second trenches at a first point above a second point is always at least equal to a width of the second trenches at the second point; and

a word line connected to said memory cells, buried in said second trenches and extending along the gate width direction.

6. (Canceled)

7. (Currently Amended) The semiconductor memory of claim ~~[[4]]~~ 5, further comprising a gate insulating film in said second trenches, wherein said word line is on the gate insulating film.

8. (Previously Presented) The semiconductor memory of claim 7, wherein said gate insulating film includes at least a silicon nitride film.

9. (Canceled)

10. (Currently Amended) The semiconductor memory of claim ~~[[4]]~~ 5, wherein each of said second trenches is shallower than said first trenches and extends below a surface of said semiconductor substrate.

11. (Currently Amended) The semiconductor memory of claim ~~[[4]]~~ 5, wherein said memory is at least one of a NAND and NOR type electrically erasable programmable read only memory.

12-14. (canceled)

15. (Previously Presented) A method of manufacturing a semiconductor memory, comprising:

making element isolating regions by forming a plurality of first trenches in a semiconductor substrate, each first trench being made between adjacent ones of a plurality of memory cell forming regions along a gate width direction;

filling said plurality of first trenches with a plurality of isolating fillers;

making a plurality of floating gate electrodes on said semiconductor substrate at said memory cell forming regions, said floating gate electrodes having a predetermined gate width;

making a plurality of second trenches in said isolating fillers filled in said first trenches, each second trench being made between adjacent ones of the floating electrodes along the gate width direction, said second trench being in the shape of a U, wherein a width of the second trenches at a first point above a second point is always at least equal to a width of the second trenches at the second point; and

forming a word line in said second trenches, said word line extending along the gate width direction.

16. (Currently Amended) The method of claim ~~[[14]]~~ 15, wherein said second trenches are in self-alignment to said floating electrodes.

17. (Canceled)

18. (Currently Amended) The semiconductor memory of claim ~~[[4]]~~ 5, wherein each of said second trenches has a second gate insulating film on inner surfaces thereof.

19. (Currently Amended) The method of claim ~~[[14]]~~ 15, wherein each of said second trenches has a second gate insulating film on inner surfaces thereof.

20-21. (Canceled)

22. (Previously Presented) The semiconductor memory of claim 5, wherein each of said second trenches is capable of reducing parasitic capacitance between said floating electrodes of said memory cells adjacent to each other along the gate width direction.